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0401 #6

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/975,607A

DATE: 05/07/2002
TIME: 13:18:56

Input Set : A:\57114b
Output Set: N:\CRF3\05072002\I975607A.raw

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6 <110> APPLICANT: Cheah, Kathryn
7 Cheung, Kenneth
10 <120> TITLE OF INVENTION: USE OF TRANSGENIC MOUSE CONTAINING A TYPE X COLLAGEN MUTANT
13 <130> FILE REFERENCE: 0467/57114-B
16 <140> CURRENT APPLICATION NUMBER: 09/975,607A
18 <141> CURRENT FILING DATE: 2001-10-11
21 <160> NUMBER OF SEQ ID NOS: 5
24 <170> SOFTWARE: PatentIn version 3.1
27 <210> SEQ ID NO: 1
29 <211> LENGTH: 486
31 <212> TYPE: DNA
33 <213> ORGANISM: Mouse
36 <400> SEQUENCE: 1
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41 aaagcttacc cagcagtagg tgccccatccatttgatg agattctgtcaataggcag 180
43 cagcattacg acccaagatc tggtatctt acctgtaa tcccaggcat atactatttc 240
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49 gcaatcatgg agctcacaga aatgaccag gtatggctcc aattgccccaa tgcagaatca 420
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70 aaagcttacc cagcagtagg tgccccatccatttgatg agattctgtcaataggcag 180
72 cagcattacg acccaagatc tggtatctt acctgtaa tcccaggcat atactatttc 240
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76 cgtatgtatgtacacgtatgaa tgactacagc aaaggctacc tggatcaggc ttcaggaggt 360
78 tcacagaaaaa tgaccaggtatgctccat tgcccaatgc agaatcaaaggcctctact 420
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87 <212> TYPE: PRT
89 <213> ORGANISM: Mouse
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94 Val Met Pro Asp Gly Phe Ile Lys Ala Gly Gln Arg Pro Arg Leu Ser
95 1 5 10 15
98 Gly Met Pro Leu Val Ser Ala Asn His Gly Val Thr Gly Met Pro Val

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99 20 25 30
102 Ser Ala Phe Thr Val Ile Leu Ser Lys Ala Tyr Pro Ala Val Gly Ala
103 35 40 45
106 Pro Ile Pro Phe Asp Glu Ile Leu Tyr Asn Arg Gln Gln His Tyr Asp
107 50 55 60
110 Pro Arg Ser Gly Ile Phe Thr Cys Lys Ile Pro Gly Ile Tyr Tyr Phe
111 65 70 75 80
114 Ser Tyr His Val His Val Lys Gly Thr His Val Trp Val Gly Leu Tyr
115 85 90 95
118 Lys Asn Gly Thr Pro Thr Met Tyr Thr Tyr Asp Glu Tyr Ser Lys Gly
119 100 105 110
122 Tyr Leu Asp Gln Ala Ser Gly Ser Ala Ile Met Glu Leu Thr Glu Asn
123 115 120 125
126 Asp Gln Val Trp Leu Gln Leu Pro Asn Ala Glu Ser Asn Gly Leu Tyr
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153 Gly Met Pro Leu Val Ser Ala Asn His Gly Val Thr Gly Met Pro Val
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157 Ser Ala Phe Thr Val Ile Leu Ser Lys Ala Tyr Pro Ala Val Gly Ala
158 35 40 45
161 Pro Ile Pro Phe Asp Glu Ile Leu Tyr Asn Arg Gln Gln His Tyr Asp
162 50 55 60
165 Pro Arg Ser Gly Ile Phe Thr Cys Lys Ile Pro Gly Ile Tyr Tyr Phe
166 65 70 75 80
169 Ser Tyr His Val His Val Lys Gly Thr His Val Trp Val Gly Leu Tyr
170 85 90 95
173 Lys Asn Gly Thr Arg Met Met Ser Thr Ala Lys Ala Thr Trp Ile Arg
174 100 105 110
177 Leu Gln Gly Val Gln Ser Trp Ser Ser Gln Lys Met Thr Arg Tyr Gly
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208	Ser	Ala	Phe	Thr	Val	Ile	Leu	Ser	Lys	Ala	Tyr	Pro	Ala	Val	Gly	Ala
209								35			40			45		
212	Pro	Ile	Pro	Phe	Asp	Glu	Ile	Leu	Tyr	Asn	Arg	Gln	Gln	His	Tyr	Asp
213								50			55			60		
216	Pro	Arg	Ser	Gly	Ile	Phe	Thr	Cys	Lys	Ile	Pro	Gly	Ile	Tyr	Tyr	Phe
217	65					70					75			80		
220	Ser	Tyr	His	Val	His	Val	Lys	Gly	Thr	His	Val	Trp	Val	Gly	Leu	Tyr
221							85			90			95			
224	Lys	Asn	Gly	Thr	Pro	Met	Met	Asn	Thr	Pro	Lys	Ala	Thr	Trp	Ile	Arg
225						100			105			110				
228	Leu	Gln	Gly	Val	Pro	Ser	Ser	Ile	Ser	Gln	Lys	Met	Thr	Arg	Cys	Gly
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233						130			135			140				
236	Ser	Thr	Pro	Leu	Ser	Gln	Asp	Ser								
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VERIFICATION SUMMARY

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